

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/005280 A1

(51) International Patent Classification⁷: **B65D 83/04**,
A61J 7/02, 7/04

(21) International Application Number:
PCT/EP2004/007821

(22) International Filing Date: 9 July 2004 (09.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0316345.8 11 July 2003 (11.07.2003) GB

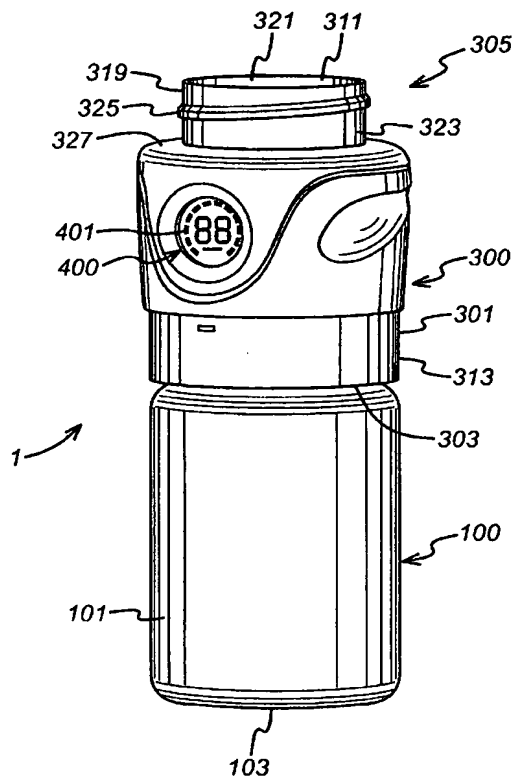
(71) Applicant (for all designated States except US): **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford Middlesex UB6 0NN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANDERSON, Gregor, John, McLennan** [GB/GB]; GlaxoSmithKline, Park Road, Ware Hertfordshire SG12 0DP (GB). **COLLINS, James, Terence** [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). **LAMBLE, Ralph, George** [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). **PEARSON, Allen, John** [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). **SNOW, Tom** [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB). **TURNER, Paul, John** [GB/GB]; Origin Product Design Limited, Unit 1, Broughton Craft Centre, Causeway Road, Broughton, Huntingdon Cambridgeshire PE28 3AS (GB).

[Continued on next page]

(54) Title: A HAND-HELD DISPENSER FOR DISPENSING UNIT PRODUCTS



(57) Abstract: A hand-held dispenser (1) for dispensing a multiplicity of unit products (3) comprises a container (100) for containing the unit products which has an access opening (107) through which the unit products are able to be removed from the container and a dispensing module (300) which is adapted to be connected to the container in an operational position in which the dispensing module covers the access opening. The dispensing module has an interval volume (307), into which the unit products are transferable from the container through the access opening when the dispensing module is in the operational position, an outlet opening (311) which communicates with the interval volume, and a dispensing mechanism (350) which operates to dispense a predetermined number of unit products from the outlet opening on actuation thereof.

WO 2005/005280 A1